


Testing Queries

```
/* Check the quantity of blood at the different hospitals. */
```

```
SELECT GroupQuantity
```

```
FROM BloodReserve;
```

 Windows PowerShell

```
maluti=# select groupquantity from bloodreserve;
groupquantity
-----
      50
      75
     100
     125
(4 rows)
```

```
/* Gives all blood group quantities available in all hospitals */
```

```
select groupquantity,hospitalid from bloodreserve join bloodtype
```

```
on bloodreserve.bloodid = bloodtype.bloodid;
```

```
maluti=# select groupquantity,hospitalid from bloodreserve join bloodtype on bloodreserve.bloodid = bloodtype.bloodid;
groupquantity | hospitalid
-----+-----
      50 |         1
      75 |         2
     100 |         3
     125 |         4
(4 rows)
```

```
/* Gives blood group quantity and hospital where blood group is available */
```

```
select groupquantity,hospitalid from
```

```
bloodreserve join bloodtype on bloodreserve.bloodid = bloodtype.bloodid
```

```
where bloodtype.description = 'A';
```

```
maluti=# select groupquantity,hospitalid from bloodreserve join bloodtype on bloodreserve.bloodid = bloodtype.bloodid where bloodtype.description = 'A';
groupquantity | hospitalid
-----+-----
      50 |         1
(1 row)
```

```
/* Update blood quantity. */
```

```
UPDATE BloodReserve
```

SET GroupQuantity = 30

WHERE HospitalID = 1 AND bloodid = 1;

(Before)

Windows PowerShell

```
maluti=# select * from bloodreserve;
bloodid | groupquantity | expirydate | hospitalid
-----+-----+-----+-----
1 | 50 | 2022-05-31 | 1
2 | 75 | 2022-06-30 | 2
3 | 100 | 2022-07-31 | 3
4 | 125 | 2022-08-31 | 4
(4 rows)

maluti=# update bloodreserve set groupquantity = 30 where hospitalid = 1 and bloodid = 1;
UPDATE 1
maluti=#
```

(After)

```
maluti=# update bloodreserve set groupquantity = 30 where hospitalid = 1 and bloodid = 1;
UPDATE 1
maluti=# select * from bloodreserve;
bloodid | groupquantity | expirydate | hospitalid
-----+-----+-----+-----
2 | 75 | 2022-06-30 | 2
3 | 100 | 2022-07-31 | 3
4 | 125 | 2022-08-31 | 4
1 | 30 | 2022-05-31 | 1
(4 rows)

maluti=#
```